

Machine Name : CNC internal cylindrical grinder

Brand : STUDER

Machine Model : S131

Stock No. : 89400

Ex-factory Date : 2020



Main Technical Parameters:

CNC System: FANUC 31i-Model B

spindle: 4

external grinding unit: T1

internal grinding unit: T2 (60,000 RPM)

internal grinding unit: T4 (90k) - Compatible with T3 accessories of 120mm diameter

internal grinding unit: T4 (90k) - Compatible with T4 accessories with a diameter of 100mm

chuck working head: MT5/A4

chuck working head - High-precision type Speed: 1-1200 RPM

chuck working head - Standard type speed: 1-1500 RPM

Spindle through hole diameter: 35.56mm

Drive power: 3 kW

C-axis resolution: 0.0001°

Maximum rotational diameter: 300mm

Maximum workpiece weight: 100 kg

The maximum external diameter of the workpiece is 160 mm

Maximum workpiece length: 300mm

Maximum grinding wheel diameter: 250mm

external grinding length/diameter: 120mm / 160mm

X-axis travel: 350 mm

Z-axis travel: 400 mm

The rotation range of the workpiece Worktable: -60° to $+91^{\circ}$

The rotation range of the B1 axis tool Worktable is -50° to $+280^{\circ}$

internal grinding Spindle speed: 24,000-120,000 rpm

Specification of the outer circular grinding wheel: 250 * 25 (F5) * 50mm

machine tool weight: 5,897 kg



